

# Joint Service Lightweight Stand-off Chemical Agent Detector (JSLSCAD)



## MISSION

Detect the presence of chemically contaminated battle spaces and provide enhanced early warning to joint service forces.

## DESCRIPTION AND SPECIFICATIONS

The Joint Service Lightweight Stand-Off Chemical Agent Detector (JSLSCAD) will provide on-the-move detection, identification, mapping, and reporting of nerve, blister, and blood agent vapors. The JSLSCAD can communicate its warning automatically through the Joint Warning and Reporting Network (JWARN). It will provide 360° x 60° coverage, from a variety of tactical and reconnaissance platforms, at distances of up to five kilometers. When avoidance is not possible, the system will give personnel extra time to put on mission-oriented protective posture gear.

Intended applications include various ground-vehicle, aerial, shipboard, and fixed-emplacement platforms such as the following: M93A1 Fox Block II, Light NBC Reconnaissance System (JSLNBCRS), Unmanned Aerial Vehicle (UAV), C130 Aircraft, CH53 Helicopter, ships; and fixed-site installations. The JSLSCAD detector and the operator display unit weigh approximately 48 lb and the power adapter used for shipboard and fixed-site applications weighs approximately 10 lb. The detector is approximately one cubic foot and the total of all three components is approximately one-and-a-half cubic feet.

## FOREIGN COUNTERPART

No known foreign counterpart

## FOREIGN MILITARY SALES

None

## PROGRAM STATUS

**2QFY98** Initiated engineering, manufacturing, and development program.

Integrated product team formed to develop the test methodology for the JSLSCAD.

**1QFY99** Completed preliminary design review.

**3QFY99** Completed detailed design review.

**4QFY99** Initiated fabrication of engineering design test (EDT) units.

## PROJECTED ACTIVITIES

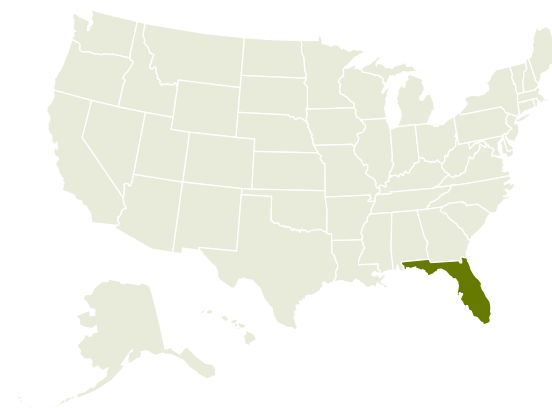
**1QFY00** Conduct critical design review.

**2QFY00** Complete fabrication of EDT units.

**2-4QFY00** Conduct EDT.

## PRIME CONTRACTORS

Intellitec (Deland, FL)



\* See appendix for list of subcontractors

